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416 Rec'd PCT/PTO 0 5 APR 1999

FORM PCT-1390 (Modified)  
(Rev. 1-95)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

MUR-7520

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR  
09/115,708INTERNATIONAL APPLICATION NO.  
PCT/GB97/00929INTERNATIONAL FILING DATE  
2 April 1997PRIORITY DATE CLAIMED  
2 April 1996

TITLE OF INVENTION

GENETIC SUPPRESSION AND REPLACEMENT

APPLICANT(S) FOR DO/EO/US

Gwenyth Jane Farrar, Peter Humphries, and Paul Francis Kenna

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☐ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☐ A copy of the International Search Report (PCT/ISA/210).
8. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
9. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 13 to 18 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.  
A **SECOND** or **SUBSEQUENT** preliminary amendment.
16. ☐ A substitute specification.
17. ☐ A change of power of attorney and/or address letter.
18. ☒ Certificate of Mailing by Express Mail
19. ☒ Other items or information:

Copy of Verified Statement Claiming Small Entity Status - NonProfit Organization (previously filed)  
Copy of Form PCT/DO/EO/905

04/ 8/1999 PVD:PE 00000023 09155708

01 C:254

65.00 0P

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.492 (a)(1) - (5)) : 09/115,708 INTERNATIONAL APPLICATION NO. PCT/GB97/00929 ATTORNEY'S DOCKET NUMBER MUR-7520

20. The following fees are submitted:				CALCULATIONS PTO USE ONLY	
<b>BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5)) :</b>					
<input type="checkbox"/> Search Report has been prepared by the EPO or JPO ..... \$840.00					
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) ..... \$670.00					
<input type="checkbox"/> No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... \$760.00					
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$970.00					
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... \$96.00					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				\$0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20 =	0	x \$22.00	\$0.00	
Independent claims	- 3 =	0	x \$82.00	\$0.00	
Multiple Dependent Claims (check if applicable).			<input type="checkbox"/>	\$0.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$130.00	
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).			<input checked="" type="checkbox"/>	\$65.00	
<b>SUBTOTAL =</b>				\$65.00	
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				\$0.00	
<b>TOTAL NATIONAL FEE =</b>				\$65.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).			<input checked="" type="checkbox"/>	\$40.00	
<b>TOTAL FEES ENCLOSED =</b>				\$105.00	
				Amount to be: refunded	\$
				charged	\$

☒ Two checks in the amounts of \$65 and \$40 to cover the above fees are enclosed.

☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **18-0350** A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Allan Ratner  
Ratner & Prestia  
Suite 301  
One Westlakes, Berwyn  
P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

SIGNATURE

Allan Ratner

NAME

19,717

REGISTRATION NUMBER

April 5, 1999

DATE

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Gwenyth Jane Farrar et al.**

Docket No.

**MUR-7520**

Serial No.

**09/155,708**

Filing Date

**October 2, 1998**

Examiner

Group Art Unit

Invention: **GENETIC SUPPRESSION AND REPLACEMENT**

(U.S. National Phase of International Appli. Serial No. PCT/GB97/00929 filed 2 April 1997)

I hereby certify that this **Response to Notification of Missing Requirements and related enclosures**

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under


37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

**April 5, 1999**

(Date)

**Kathleen Libby**

(Typed or Printed Name of Person Mailing Correspondence)

  
(Signature of Person Mailing Correspondence)**EL324657470US**

("Express Mail" Mailing Label Number)

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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Address: ASSISTANT COMMISSIONER FOR PATENTS  
Box PCT  
Washington, D.C. 20231

U.S. APPLICATION NO. 09/155708	FIRST NAMED APPLICANT FARRAR	ATTY. DOCKET NO. G	MUR-7520
ALLAN RATNER RATNER & PRESTIA ONE WESTLAKES BERWYN P O BOX 980 VALLEY FORGE, PA 19482 0980		INTERNATIONAL APPLICATION NO. PCT/GB97/00929	
RECEIVED MAR 8 1999 RATNER & PRESTIA		I.A. FILING DATE 02 APR 98 PRIORITY DATE 02 APR 96 DATE MAILED: 03 MAR 1999	

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as
- ☐ a Designated Office (37 CFR 1.494),
  - ☒ an Elected Office (37 CFR 1.495):
  - ☒ U.S. Basic National Fee.
  - ☒ Copy of the international application in:
    - ☐ a non-English language.
    - ☒ English.
  - ☐ Translation of the international application into English.
  - ☒ Oath or Declaration of inventors(s) for DO/EO/US.
  - ☐ Copy of Article 19 amendments.
  - ☐ Translation of Article 19 amendments into English.
  - ☒ The International Preliminary Examination Report in English and its Annexes, if any.
  - ☐ Translation of Annexes to the International Preliminary Examination Report into English.
  - ☒ Preliminary amendment(s) filed 02 OCTOBER 98 and \_\_\_\_\_
  - ☐ Information Disclosure Statement(s) filed \_\_\_\_\_ and \_\_\_\_\_
  - ☐ Assignment document.
  - ☐ Power of Attorney and/or Change of Address.
  - ☐ Substitute specification filed \_\_\_\_\_
  - ☐ Verified Statement Claiming Small Entity Status.
  - ☒ Priority Document.
  - ☒ Copy of the International Search Report ☒ and copies of the references cited therein.
  - ☐ Other:
2. The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:
- ☐ a. Translation of the application into English. Note a processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.
    - ☐ The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.
  - ☐ b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).
  - ☐ c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
    - ☒ The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917: unexecuted
  - ☒ d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).
3. Additional claim fees of \$ \_\_\_\_\_ as a ☐ large entity ☐ small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due. See attached PTO-875.

ALL OF THE ITEMS SET FORTH IN 2(a)-2(d) AND 3 ABOVE MUST BE SUBMITTED WITHIN ONE MONTH FROM THE DATE OF THIS NOTICE OR BY ☐ 21 OR ☒ 31 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

4. Translation of the Annexes **MUST** be submitted no later than the time period set above or the annexes will be cancelled. Note processing fee will be required if submitted later than 30 months from the priority date.
5. ☐ The Article 19 amendments are cancelled since a translation was not provided by the appropriate 20 (37 CFR 1.494(d)) or 30 (37 CFR 1.495(d)) months from the priority date.

Applicant is reminded that any communication to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above. (37 CFR 1.5)

**A copy of this notice MUST be returned with this response.**

Enclosed:

- ☐ PCT/DO/EO/917
- ☐ Notice of Defective Translation
- ☐ PTO-875

FORM PCT/DO/EO/905 (December 1997)

Pat Booker, Paralegal

Telephone: 703-305-3738

*Resp. Due (1 mo.)  
4/3/99  
Ack*